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#### Published:

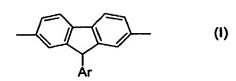
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before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## (54) Title: 9-ARYL AND BISAYL SUBSTITUTED POLYFLUORENES



(57) Abstract: A polymer comprising optionally substituted first repeat units of formula (I): wherein Ar is selected from: (a) aromatic hydrocarbon substituted with at least one electron withdrawing group or (b) electron withdrawing heteroaryl. The polymers have application in electroluminescent devices.

## **INTERNATIONAL SEARCH REPORT**

Intern: I Application No

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A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C08G61/02 C09K11/06 H01L51/0	00						
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According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)								
IPC 7	C08G C09K H01L							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic da	Electronic data base consulted during the International search (name of data base and, where practical, search terms used)							
EPO-In	PO-Internal, WPI Data, CHEM ABS Data							
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C. DOCÚME	ENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.					
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	examples 4,5							
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Furt	Further documents are listed in the continuation of box C. X Patent family members are listed in annex.							
° Special categories of cited documents : "T" later document published after the international filling date								
"A" docume	"A" document defining the general state of the art which is not cited to understand the principle or theory underlying the							
"E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention								
filling date  cannot be considered novel or cannot be considered to  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another  "V" document of particular relevance; the claimed, invention								
citation or other special reason (as specified) cannot be considered to involve an inventive step when the								
"O" document referring to an oral disclosure, use, exhibition or other means document is combined with one or more other such documents, such combination being obvious to a person skilled								
"P" document published prior to the international filing date but in the art. later than the priority date claimed "&" document member of the same patent family								
Date of the actual completion of the International search  Date of mailing of the International search report								
27 February 2004								
2	27 February 2004							
Name and n	Name and mailing address of the ISA  Furnhean Patent Office, P.B. 5818 Patentians 2							
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx, 31-651 ero p)							
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Marsitzky, D						

# INTERNATIONAL SEARCH REPORT

ional application No. PCT/GB 03/04753

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)						
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:						
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:						
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)						
This international Searching Authority found multiple inventions in this international application, as follows:						
see additional sheet						
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:						
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1, 3-13, 15-18						
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.						

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 3-13, 15-18

9-Monoaryl substituted Polyfluorene homopolymers and copolymers, the monomers, a process for their production and their use in OLEDs.

2. claims: 2, 14

9-Bisaryl-substituted Polyfluorene homo- and copolymers, the monomers and a process for their production as well as their use in OLEDs

# INTERNATIONAL SEARCH REPORT - · ····

mountation on patent family members

Intern I Application No
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